Amendments to the claims:

This listing will replace all prior versions, and listings, of the claims in the application:

1.   (Canceled)

2.   (Currently Amended) The system according to claim [[1]] 6, wherein the controller sets the retrieval rate and the monitoring rate, according to the level of the time restricted data in the buffer.

3.   (Currently Amended) The system according to claim [[1]] 6, wherein the retrieval rate is increased when the difference between the level of the time restricted data in the buffer and a predefined threshold level exceeds a predefined difference threshold.

4.   (Currently Amended) The system according to claim [[1]] 6, wherein the retrieval rate being responsive to the difference between the level of the time restricted data in the buffer and a predefined threshold level.

5.   (Canceled)

6.   (Previously Presented) A system for compensating for timing violations of time restricted data being transmitted over a bursty communication channel, the system comprising:

a retriever, coupled to a buffer, for retrieving the time restricted data from the buffer, at a retrieval rate;

a buffer level monitor, coupled to the buffer, for monitoring the level of time restricted data in the buffer at a monitoring rate; and

a controller coupled to the buffer level monitor and to the retriever, for setting the retrieval rate and the monitoring rate; wherein the retrieval rate and the monitoring rate are responsive to low frequency changes in the level of time restricted data in the buffer.

7.   (Currently Amended) The system of claim [[1]] 6, wherein the controller is configured to change the monitoring rate and the retrieval rate to compensate for jitter included in the time-restricted data.

8.   (Currently Amended) The system of claim [[1]] 6, wherein the removal interval is responsive to a current bit rate of the time restricted data.

9.   (Currently Amended) The system of claim [[1]] 6, wherein the controller sets the monitoring rate in response to the level of jitter included in the time restricted data.

10.   (Currently Amended) The system of claim [[1]] 6, wherein the monitoring rate and the retrieval rate are set in view of a statistical analysis of the level of time restricted data in the buffer.

11.   (Currently Amended) The system of claim [[1]] 6, wherein the controller is configured to set the monitoring rate in response to changes in the bit rate of arriving time-restricted data.

12.   (Currently Amended) The system according to claim [[1]] 6, wherein the controller modifies the retrieval rate, when said controller detects that the behavior of said current level exceeds a given behavior and adjusts said retrieval rate accordingly.

13.   (Currently Amended) The system according to claim [[1]] 6, wherein said buffer is a first in first out buffer.

14.   (Currently Amended) The system according to claim [[1]] 6, wherein the time restricted data is in a form of MPEG Transport packet.

15.   (Currently Amended) The system according to claim [[1]] 6, wherein the type of said bursty communication channel is selected from the list consisting of:
        Ethernet;
        Fast Ethernet;
        Gigabit Ethernet;
        TCP/IP;
        RTP; and
        UDP/IP.

16.   (Currently Amended) The system of claim [[1]] 6, wherein the timing violations are selected from the group consisting of:
        delay; and
        Jitter.

17.   (Canceled)

18.   (Canceled)

19.   (Canceled)

20.   (Canceled)

21 – 58 (Cancelled).

59.   (Canceled)

60.   (Canceled)

61.   (Canceled)

62.   (Original) A system for transferring time restricted data over a jitter including channel, the system comprising:

a retriever, coupled to a buffer, for retrieving the time restricted data from the buffer, at a retrieval rate;

a buffer level monitor, coupled to the buffer, for monitoring the level of time restricted data in the buffer at a monitoring rate; and

a controller coupled to the buffer level monitor and to the retriever, for setting the retrieval rate and the monitoring rate; wherein the retrieval rate and the monitoring rate are responsive to low frequency changes in the level of time restricted data in the buffer.

63.   (Original) A Method for controlling a buffer containing time restricted data received over a bursty communication channel, the method comprising the steps of:

setting a time interval between sequential retrievals of time restricted data from a buffer and a monitoring time at which the buffer level of said time restricted data in said buffer is to be monitored; wherein the retrieval rate and the monitoring rate are responsive to low frequency changes in the level of time restricted data in the buffer;

monitoring said buffer level at said monitoring time;

increasing said interval when said buffer level is lower than an upper threshold; and

decreasing said interval when said buffer level is lower than a lower threshold.